

Notice of Allowability

Application No.

10/756,423

Examiner

Christopher Onuaku

Applicant(s)

MOON ET AL.

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1-43 (now renumbered 1,2,5,8,11-28,3,6,9,29,4,7,10,30-33,38-42,34-37&43, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 8/7/06; 3/31/06; 12/5/05; 7/25/05;
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
9/14/05; 11/12/04; 1/14/04
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 4/21/04 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Application No. 09/339,190, now US Patent No. 6,757,476 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

2. Claims 1-43 are allowable over the prior art of record.

3. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to recording and/or reproducing information for effectively processing a still picture, including a recording medium for storing virtual deletion information for preventing file extent information from excessively increasing when some of a data file is deleted by a user's request; and/or reproducing method and apparatus thereof.

The closest references Yamauchi et al (US 6,047,103) disclose an information recording medium for recording an information signal representing at least one of program data, audio information, and video information, data transmitting device/method for retrieving the information signal from the information recording

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medium, a data receiving device for reproducing a video signal from the retrieved video digital data, and an information processing apparatus including the data transmitting device and the data receiving device, and Bloom et al (US 6,332,194) teach preventing unlawful copying of audio, video and other media that can be digitized, including a method for inserting a watermark into digitized data.

However, Yamauchi et al and Bloom et al fail to explicitly disclose a method of recording and/or reproducing audio and/or video data on a recordable and/or rewritable recording medium, where the method further comprises recording and/or reading a plurality of additional audio parts, on a third region of the recording medium, to be added to the still pictures, the still picture group information further including information for connectivity between the still pictures in the first region and the additional audio parts in the third region, for reproduction of still pictures and/or corresponding additional audio parts, wherein if the first virtual deletion information is set to a virtual delete state, the one still picture is not to be reproduced upon playback of the recording medium, with the virtual deletion information being at least one flag.

Regarding claim 31, the invention relates to recording and/or reproducing information for effectively processing a still picture, including a recording medium for storing virtual deletion information for preventing file extent information from excessively increasing when some of a data file is deleted by a user's request; and/or reproducing method and apparatus thereof.

The closest references Yamauchi et al (US 6,047,103) disclose an information recording medium for recording an information signal representing at least one of program data, audio information, and video information, data transmitting device/method for retrieving the information signal from the information recording medium, a data receiving device for reproducing a video signal from the retrieved video digital data, and an information processing apparatus including the data transmitting device and the data receiving device, and Bloom et al (US 6,332,194) teach preventing unlawful copying of audio, video and other media that can be digitized, including a method for inserting a watermark into digitized data.

However, Yamauchi et al and Bloom et al fail to explicitly disclose a method of recording and/or reproducing audio and/or video data on a recordable and/or rewritable recording medium, where the method further comprises wherein virtual deletion information corresponding to the one still picture is indicative of whether the one still picture is currently reproducible upon playback of the recording medium, with the virtual deletion information being at least one flag, and recording and/or reading at least one additional audio part, on the recording medium, added to the at least one still picture, and connective information, on the recording medium, indicative of connectivity between the still pictures and the additional audio parts, for reproduction of still pictures and/or corresponding additional audio parts.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Moriyama et al (US 4,703,369) teach a method for recording and

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reproducing a video format signal including audio frames having data such as time-axis-compressed audio data and video frames containing video information.

Yamauchi et al (US 6,088,507) teach a multimedia optical disc which stores multimedia data, and an apparatus and a method for reproducing the multimedia optical disc, including an improvement in the reproduction of movie applications.

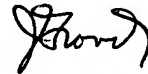
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


COO

9/11/06


James J. Groody
Supervisory Patent Examiner
Art Unit 262 2621